

Description	Evaluation	likelihood	Impact	Responsibility	Proposed control measures	Revisited control measures 22/07	Response
An SQL injection attack could breach user data Added 02/07	Could result in users' emails names and passwords being leaked.	Low	High	Matthew Vile	Encrypt user passwords in the data base. advise the user to not reuse passwords from other websites	Removed user table from database so no personal information is being stored anymore	Send an email to all users advising their account may be compromised so they may want to change their password if used elsewhere
An SQL injection attack could change the database Added 02/07	Could result in all data, including user information, being edited or deleted	Low	High	Matthew Vile	Prevent SQL injections by not allowing certain characters to be entered. Take regular backups of the database		Send an email to users advising, if their data is lost, They will need to re-create their accounts and any submissions
Could accidentally upload the user data base to Github Added 02/07	Could result in users' emails names and passwords being leaked.	Low	High	Matthew Vile	Ensure that Git ignores the SQL file so it doesn't get uploaded to Github. advise the user to not reuse passwords from other websites	Removed user table from database so no personal information is being stored anymore	Send an email to all users advising their account may be compromised so they may want to change their password if used elsewhere.
Developer computer could be hacked Added 02/07	Could result in unwanted information being leaked like users' emails, names and passwords.	Low	High	Matthew Vile	Ensure that antivirus is up to date and check regularly for any malware		Send an email to all users advising their account may be compromised so they may want to change their password if used elsewhere.

VM for SQL server goes down Added 02/07	Could result in temporary loss of users' data	Low	High	Google cloud platform	Take regular back-ups of database	Made a new SQL VM that only contains relevant tables and data to the app to reduce size	Tell the user the database is only down temporarily so should be recovered and temporarily take down the server so no one is adding new data that may break the database when its back
VM for web server goes down Added 02/07	Could result in the website going down temporarily	Low	Low	Google cloud platform	Create a back-up instance that is identical, so can easily migrate quickly.		Advise the user that no data should be lost and the website should be running shortly
Could be affected by a drive by hack Added 02/07	Could result in any users being infected with malware that could steal personal/bank data	Low	Low	Matthew Vile	Ensure that antivirus is up to date and check regularly for any malware. Ensure all other systems are up to date and delete java if not being used	Updated systems	Advise the user that they should not visit the website until the drive by attack has been dealt with or they could get malware on their computer
Potential to cause merge conflicts when uploading to Github Added 08/07	Could result in lost/deleted code or code being overwritten	Low, As only I am working on the code	Low	Matthew Vile	Ensure no conflicts emerge by regularly committing and merging and not working on the readme on github at the same time as on local machine		View previous changes and previous commits to see if what was lost can be recovered.

Someone could find out the CSRF token Added 19/07	Could result in information being changed or leaked	Low	High	Matthew Vile	Get around this by generating a completely random secret key so it is not stored anywhere.	Generate a new random secret key every time app is running	Ensure stolen CSRF token can't be used and inform users of any stolen data.
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